In the Claims:

Please amend the claims as follows:

1. (Currently Amended) A method for detecting the direction of movement of a mobile data memory along a movement path, comprising detecting data signals of a mobile data memory in at least two different receiving locations along the movement path, comparing changes in the data signals at the receiving locations, and defining therefrom an indicator for the direction of movement of a mobile data memory in a adaptive receiver device which is designed as a transceiver for bi-directional exchange of the data signals with the mobile data memory.

2. (Previously Presented) The method according to claim 1, wherein the indicator is defined by comparison of changes in received field strengths of data signals at the receiving locations.

3. (Previously Presented) The method according to claim 2, wherein weighting factors are derived by comparison of the received field strengths of the data signals at the receiving locations in such a way that a higher or lower weighting factor is allocated to a data signal with a stronger or weaker received field strength.

4. (Previously Presented) The method according to claim 3, wherein the indicator is defined by evaluation of the data signals weighted with the weighting factors.

5. (Previously Presented) The method according to claim 1, further comprising defining the indicator by comparison of the data signals' type at the receiving locations.

6. (Previously Presented) The method according to claim 1, further comprising decoding the received data signals, and defining their logical content.

7. (Previously Presented) The method according to claim 6, wherein the indicator is defined by evaluation of a temporal sequence of the logical content of the data signals at the receiving locations.

8. (Previously Presented) The method according to claim 6, wherein the logical content of the data signals is allocated to mobile data memories.

9. (Currently Amended) A device for carrying out the method according to claim 1, comprising an adaptive receiver having at least two antennas for the reception of data signals which are disposed along a movement path of a mobile data memory, and an evaluation unit which is connected to the antennas and which defines an indicator for the direction of movement of a mobile data memory from the data signals and further comprising a transceiver for two-way exchange of data signals with mobile data memories and which contains the adaptive receiver device.

10. (Cancelled)

11. (Previously Presented) The device according to claim 9, wherein the antennas have antenna radiation diagrams which are aligned and focused along the movement path of mobile data memories.

12. (Previously Presented) The device according to claim 11, wherein the radiation diagrams have an overlap in relation to one another which is as limited as possible.

13. (Previously Presented) The use of the method according to claim 1 in an identification system having a mobile data memory attached to mobile goods, whereby data characterizing the respective goods are stored in the mobile data memory.

14. (Previously Presented) The device according to claim 9 for use in an identification system having a mobile data memory attached to mobile goods, whereby data characterizing the respective goods are stored in the mobile data memory.